

*Rodney Sutter*



**ENTERED** 1600

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/09/600,057A

DATE: 02/24/2003

TIME: 13:42:53

Input Set : A:\99017-B.ST25.txt

Output Set: N:\CRF4\02242003\I600057A.raw

```

3 <110> APPLICANT: Ades, Edwin
4     Carlone, George
5     De, Barun
6     Sampson, Jacquelyn
7     Huebner, Robert
9 <120> TITLE OF INVENTION: Recombinant Lipidated PsaA Protein, Methods of
10    Preparation and Use
12 <130> FILE REFERENCE: 99,107-B
14 <140> CURRENT APPLICATION NUMBER: 09/600,057A
15 <141> CURRENT FILING DATE: 2000-07-10
17 <150> PRIOR APPLICATION NUMBER: PCT/US99/00379
18 <151> PRIOR FILING DATE: 1999-01-14
20 <150> PRIOR APPLICATION NUMBER: US 09/017,782
21 <151> PRIOR FILING DATE: 1998-02-03
23 <160> NUMBER OF SEQ ID NOS: 3
25 <170> SOFTWARE: PatentIn Ver. 2.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 26
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer DE09
34     covering 26 base pairs at the 5' end of the psaA
35     gene, ending at the SphI site.
37 <400> SEQUENCE: 1
38 gggcatgctgc tagcggaaaa aaagat
39                                     26
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 26
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial Sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer DE11
47     covers 26 base pairs at the 3' end of the PsaA
48     coding sequence and a BamHI site.
50 <400> SEQUENCE: 2
51 ggggatcctt atttgccaa tccttc
52                                     26
53 <210> SEQ ID NO: 3
54 <211> LENGTH: 921
55 <212> TYPE: DNA
56 <213> ORGANISM: Artificial Sequence
58 <220> FEATURE:
59 <223> OTHER INFORMATION: Description of Artificial Sequence:Recombinant
60    lipidated PsaA - first 52 residues derived from

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```
61      OspA signal sequence of B. burdorferi, remaining
62      from S. pneumoniae type 6B PsaA.
64 <400> SEQUENCE: 3
65 atgaaaaaat atttattggg aataggtcta atattagcct taatagcatg cgctagcgga 60
66 aaaaaagata caacttctgg tcaaaaacta aaagttgttg ctacaaactc aatcatcgct 120
67 gatattacta aaaatattgc tggtgacaaa attgaccttc atagtatcgt tccgattggg 180
68 caagaccac acgaatacga accacttcct gaagacgtta agaaaacttc tgaggctgat 240
69 ttgattttct ataacggtat caaccttgaa acaggtggca atgcttggtt tacaaaattg 300
70 gtagaaaatg ccaagaaaac tgaaaacaaa gactacttcg cagtcagcga cggcgttgat 360
71 gttatctacc ttgaagggtca aaatgaaaaa ggaaaagaag acccacacgc ttggcttaac 420
72 cttgaaaacg gtattatatt tgctaaaaat atcgccaaac aattgagcgc caaagaccct 480
73 aacaataaag aattctatga aaaaaatctc aaagaatata ctgataagtt agacaaactt 540
74 gataaagaaa gtaaggataa atttaataag atccctgctg aaaagaaact cattgtaacc 600
75 agcgaaggag cattcaaata cttctctaaa gcctatggtg tcccaagtgc ctacatctgg 660
76 gaaatcaata ctgaagaaga aggaactcct gaacaaatca agaccttggg tgaaaaactt 720
77 cgccaaacaa aagttccatc actctttgta gaatcaagtg tggatgaccg tccaatgaaa 780
78 actgtttctc aagacacaaa catcccaatc tacgcacaaa tctttactga ctctatcgca 840
79 gaacaaggta aagaaggcga cagctactac agcatgatga aatacaacct tgacaagatt 900
80 gctgaaggat tggcaaaata a                                     921
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RAW SEQUENCE LISTING ERROR SUMMARY  
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

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Seq#:1; Line(s) 30,31,32,33,34,35,36,37,38,39,40  
Seq#:2; Line(s) 41,42,43,44,45,46,47,48,49,50,51,52,53  
Seq#:3; Line(s) 54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73  
Seq#:3; Line(s) 74,75,76,77,78,79

**VERIFICATION SUMMARY**

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